

Amendments to the Claims

The listing of claims below replaces all prior versions and listings of claims in the application:

CLAIMS

1. (currently amended) A combined telemetry system for communicating ~~information~~ a signal between multiple positions in a wellbore comprising:

a lower sub-telemetry system, the lower sub-telemetry system coupled at one end to a sensor; and

an upper sub-telemetry system, the upper sub-telemetry system coupled at one end to another end of the lower sub-telemetry system and coupled at another end to at least one of a ~~data~~ data-signal receiver and a ~~data~~ data-signal transmitter.
2. (new) The system of Claim 1, wherein the signal comprises at least one of data and power, the signal being selected from a group comprising acoustic, electric, electromagnetic or optic signals.
3. (new) The system of Claim 2, further comprising a signal converter coupled between the upper sub-telemetry system and the lower sub-telemetry system for converting one type of signal communicated through at least one of the lower sub-telemetry system and the upper sub-telemetry system to another type of signal

communicated through at least one of the upper sub-telemetry system and the lower sub-telemetry system.

4. (new) The system of Claim 1, wherein the one end of the lower sub-telemetry system defines a first axial position in the wellbore and the another end of the lower sub-telemetry system defines a second axial position in the wellbore, the signal being communicated between the first axial position and the second axial position.

5. (new) The system of Claim 4, wherein the one end of the upper sub-telemetry system defines a third axial position in the wellbore and the another end of the upper sub-telemetry system defines a fourth axial position in the wellbore, the signal being communicated between the first axial position, the second axial position, the third axial position and the fourth axial position.

6. (new) The system of Claim 1, wherein the lower sub-telemetry system is selected from a group comprising drill pipe, casing, mud, cable, hardwire drill pipe, hardwire casing or fiber optic cable, and the upper sub-telemetry is selected from a group comprising drill pipe, casing, mud, cable, hardwire drill pipe, hardwire casing or fiber optic cable.

7. (new) The system of Claim 6, wherein the lower sub-telemetry system comprises cable and the upper sub-telemetry system comprises hardwire drill pipe.

8. (new) The system of Claim 7, further comprising a hanging sub for coupling the lower sub-telemetry system to the upper sub-telemetry system, the hanging

sub and the hardwire drill pipe using at least one of inductive coupling and capacitive coupling to communicate the signal between the lower sub-telemetry system and the upper sub-telemetry system.

9. (new) The system of Claim 6, wherein the lower sub-telemetry system comprises hardwire drill pipe and the upper sub-telemetry system comprises cable.

10. (new) The system of Claim 9, further comprising a hanging sub for coupling the lower sub-telemetry system to the upper sub-telemetry system, the hanging sub and the hardwire drill pipe using at least one of inductive coupling and capacitive coupling to communicate the signal between the lower sub-telemetry system and the upper sub-telemetry system.

11. (new) The system of Claim 6, wherein the lower sub-telemetry system comprises cable and the upper sub-telemetry system comprises hardwire casing and a casing shoe, the casing shoe at least partially surrounding the hardwire casing at the one end of the upper sub-telemetry system.

12. (new) The system of Claim 11, further comprising a hanging sub for coupling the lower sub-telemetry system to the upper sub-telemetry system, the hanging sub and the casing shoe each comprising a power source and at least one of a transmitter and a receiver for communicating the signal between the lower sub-telemetry system and the upper sub-telemetry system.

13. (new) The system of Claim 6, wherein the lower sub-telemetry system comprises hardwire drill pipe and the upper sub-telemetry system comprises hardwire casing and a casing shoe, the casing shoe at least partially surrounding the hardwire casing at the one end of the upper sub-telemetry system.

14. (new) The system of Claim 13, wherein the hardwire drill pipe and the casing shoe each comprise a power source and at least one of a transmitter and receiver for communicating the signal between the lower sub-telemetry system and the upper sub-telemetry system, the power source and the at least one of the transmitter and the receiver for the hardwire drill pipe positioned at the another end of the lower sub-telemetry system.

15. (new) The system of Claim 1, wherein the sensor communicates the signal from at least one of the wellbore and the lower sub-telemetry system to at least one of the lower sub-telemetry system and at least one of a drill bit and a motor coupled to the sensor.

16. (new) The system of Claim 1, wherein the signal receiver receives the signal from at least one of the upper sub-telemetry system and the signal transmitter.

17. (new) The system of Claim 16, wherein the signal transmitter transmits the signal from at least one of a surface of the wellbore and the signal receiver to at least one of the surface of the wellbore and the signal receiver.

18. (new) A combined telemetry system for communicating a signal between multiple positions in a wellbore comprising:

a lower sub-telemetry system;

an upper sub-telemetry system; and

a middle sub-telemetry system for coupling the lower sub-telemetry system to the upper sub-telemetry system.

19. (new) The system of Claim 18, wherein the middle sub-telemetry system comprises multiple sub sub-telemetry systems.

20. (new) A coupling system for electrically connecting multiple components in a wellbore comprising:

a first ring coupled with a first transmission wire; and

a second ring coupled with a second transmission wire.

21. (new) The system of Claim 20, wherein each component comprises a section of drill pipe having a tubular passage therethrough.

22. (new) The system of Claim 21, wherein the first ring and the first transmission wire are positioned at least partially within the tubular passage of one of the drill pipe sections and the second ring and the second transmission wire are positioned at least partially within the tubular passage of another one of the drill pipe sections, the

position of the first ring being sufficiently close in proximity to the position of the second ring to transmit an electric signal through at least one of inductive coupling and capacitive coupling.

23. (new) The system of Claim 22, wherein the electric signal comprises at least one of data and power.

24. (new) The system of Claim 21, wherein the first transmission wire and the second transmission wire are each attached to an internal surface of the tubular passage for a respective drill pipe section.

25. (new) The system of Claim 20, wherein the first ring is coupled to the first transmission wire by a releasable hard wire connector, and the second ring is coupled to the second transmission wire by a releasable hard wire connector.

26. (new) The system of Claim 21, wherein the first ring is secured within the tubular passage of one of the drill pipe sections by a friction fit, and the second ring is secured within the tubular passage of another one of the drill pipe sections by a friction fit.

27. (new) The system of Claim 20, wherein the first ring comprises a first tapered section and the second ring comprises a second tapered section, the first tapered section having a smaller outside diameter than an inside diameter of the second tapered section so that the first tapered section fits at least partially within the second tapered section.

28. (new) A coupling system for electrically coupling multiple sections of drill pipe in a wellbore comprising:

a first drill pipe section having a longitudinal passage therethrough and a first transmission wire attached to an inside surface of the longitudinal passage, the first drill pipe section including a pin end;

a conical pin end cap, the end cap comprising a cap ring positioned at one end of the end cap, a cap plate positioned at another end of the end cap, and a cap wire electrically connecting the cap ring and the cap plate, the first transmission wire contacting the cap plate when the end cap and the first drill pipe section are coupled;

a second drill pipe section having a longitudinal passage therethrough and a second transmission wire attached to an inside surface of the longitudinal passage, the second drill pipe section including a box end;

a conical box end insert, the end insert comprising an insert ring positioned at one end of the end insert, an insert plate positioned at another end of the end insert, and an insert plate, the insert plate contacting the second transmission wire when the end insert and the second drill pipe section are coupled; and

the cap ring being positioned sufficiently close in proximity to the insert ring to transmit a signal through inductive coupling when the end cap and the end insert are coupled.

29. (new) The system of Claim 28, wherein the signal comprises at least one of data and power.

30. (new) A method for manipulating a lower cable sub-telemetry system through drill pipe in a wellbore comprising the steps of:

connecting one end of the cable to a wet connector and another end of the cable to a hanging sub, the hanging sub providing for the deployment of a predetermined length of cable;

pumping a fluid through the drill pipe behind the wet connector to force the wet connector and the cable to deploy through the drill pipe as the fluid is pumped through the drill pipe; and

securing the wet connector at a predetermined position within the drill pipe.

31. (new) The method of Claim 30, further comprising the steps of:

releasing the cable from the hanging sub;

inserting a plug within the drill pipe behind the another end of the cable;

pumping the fluid through the drill pipe behind the plug to compact the wet connector, the cable and the plug within a predetermined storage section of the drill pipe, the drill pipe comprising a check valve at one end of the storage section and a channel formed on an exterior surface of the storage section of the drill

pipe, the check valve and the channel providing fluid communication within the drill pipe around the storage section.